RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/006, 290A

Source: _____ IFW/6

Date Processed by STIC: _____ 05/19/2006

ENTERED

RAW SEQUENCE LISTING   DATE: 05/19/2006
PATENT APPLICATION: US/10/006,290A   TIME: 11:48:46

Input Set : E:\2000100\SEQLIST506612000100.txt
Output Set: N:\CRF4\05192006\J006290A.raw

```
 3 <110> APPLICANT: Wohlgemuth, Jay
 4        Quertermous, Thomas
 5        Johnson, Frances
 6        Fry, Kirk
 7        Matcuk, George
 8        Prentice, James
 9        Phillips, Julie
10        Woodward, Robert
11        Ly, Ngoc
12        Altman, Peter
14 <120> TITLE OF INVENTION: LEUKOCYTE EXPRESSION PROFILING
16 <130> FILE REFERENCE: 506612000100
18 <140> CURRENT APPLICATION NUMBER: US 10/006,290A
19 <141> CURRENT FILING DATE: 2001-10-22
21 <150> PRIOR APPLICATION NUMBER: US 60/241,994
22 <151> PRIOR FILING DATE: 2000-10-20
24 <150> PRIOR APPLICATION NUMBER: US 60/296,764
25 <151> PRIOR FILING DATE: 2001-06-08
27 <160> NUMBER OF SEQ ID NOS: 8832
29 <170> SOFTWARE: PatentIn version 3.1
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 50
33 <212> TYPE: DNA
34 <213> ORGANISM: Homo sapiens
36 <400> SEQUENCE: 1
37 agagcacttg cagagcctgg gacaacctcc ttattgaagg gaagagggac          50
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 50
42 <212> TYPE: DNA
43 <213> ORGANISM: Homo sapiens
45 <400> SEQUENCE: 2
46 tggtctcaaa gatttacatg gcaacattcg aaagtcccca gagaagtcct          50
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 50
51 <212> TYPE: DNA
52 <213> ORGANISM: Homo sapiens
54 <400> SEQUENCE: 3
55 aggacttctc tggggacttt cgaatgttgc catgtaaatc tttgagacca          50
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 50
60 <212> TYPE: DNA
61 <213> ORGANISM: Homo sapiens
63 <400> SEQUENCE: 4
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/006,290A

DATE: 05/19/2006
TIME: 11:48:46

Input Set : E:\2000100\SEQLIST506612000100.txt
Output Set: N:\CRF4\05192006\J006290A.raw

```
 64 aggtgccagc aactgaataa atacctctcc cagtgtaaat ctggagccaa                50
 67 <210> SEQ ID NO: 5
 68 <211> LENGTH: 50
 69 <212> TYPE: DNA
 70 <213> ORGANISM: Homo sapiens
 72 <400> SEQUENCE: 5
 73 gggtgtcttt aaatagcact agccaaatca catatctcca acactcctta                50
 76 <210> SEQ ID NO: 6
 77 <211> LENGTH: 50
 78 <212> TYPE: DNA
 79 <213> ORGANISM: Homo sapiens
 81 <400> SEQUENCE: 6
 82 taaggagtgt tggagatatg tgatttggct agtgctattt aaagacaccc                50
 85 <210> SEQ ID NO: 7
 86 <211> LENGTH: 50
 87 <212> TYPE: DNA
 88 <213> ORGANISM: Homo sapiens
 90 <400> SEQUENCE: 7
 91 cccacagtgc aattcagaat atgctcaggc aatgccagcc accttgtaaa                50
 94 <210> SEQ ID NO: 8
 95 <211> LENGTH: 50
 96 <212> TYPE: DNA
 97 <213> ORGANISM: Homo sapiens
 99 <400> SEQUENCE: 8
100 gccaagacaa taagctaggc tactgggtcc agctactact ttggtgggat                50
103 <210> SEQ ID NO: 9
104 <211> LENGTH: 50
105 <212> TYPE: DNA
106 <213> ORGANISM: Homo sapiens
108 <400> SEQUENCE: 9
109 atcccaccaa agtagtagct ggacccagta gcctagctta ttgtcttggc                50
112 <210> SEQ ID NO: 10
113 <211> LENGTH: 50
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo sapiens
117 <400> SEQUENCE: 10
118 aatttataac tcctaggggt tatttctgtg ccagacacat tccacctctc                50
121 <210> SEQ ID NO: 11
122 <211> LENGTH: 50
123 <212> TYPE: DNA
124 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 11
127 actaattgca ttggcagcat tgtgtctttg accttgtata ctagcttgac                50
130 <210> SEQ ID NO: 12
131 <211> LENGTH: 50
132 <212> TYPE: DNA
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 12
136 aaaccaaaaa taatcacaac agaaaccagc tgccccaaag gaaccagagg                50
```

RAW SEQUENCE LISTING DATE: 05/19/2006
PATENT APPLICATION: US/10/006,290A TIME: 11:48:46

Input Set : E:\2000100\SEQLIST506612000100.txt
Output Set: N:\CRF4\05192006\J006290A.raw

```
139 <210> SEQ ID NO: 13
140 <211> LENGTH: 50
141 <212> TYPE: DNA
142 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 13
145 tcccaccagg actttgctaa caataatgtt tggaaataaa gaagtgctct           50
148 <210> SEQ ID NO: 14
149 <211> LENGTH: 50
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 14
154 tgacactcat gccaacaaga acctgtgccc ctccttccta acctgaggcc           50
157 <210> SEQ ID NO: 15
158 <211> LENGTH: 50
159 <212> TYPE: DNA
160 <213> ORGANISM: Homo sapiens
162 <400> SEQUENCE: 15
163 acaaatttta ccctaacagt tttaccacct agcaacagtc atttctgaaa           50
165 <210> SEQ ID NO: 16
167 <211> LENGTH: 50
168 <212> TYPE: DNA
169 <213> ORGANISM: Homo sapiens
171 <400> SEQUENCE: 16
172 tttattggta cttcctaaag atagagacta aagtcatggt agtattggcc           50
175 <210> SEQ ID NO: 17
176 <211> LENGTH: 50
177 <212> TYPE: DNA
178 <213> ORGANISM: Homo sapiens
180 <400> SEQUENCE: 17
181 ggccaatact accatgactt tagtctctat ctttaggaag taccaataaa           50
184 <210> SEQ ID NO: 18
185 <211> LENGTH: 50
186 <212> TYPE: DNA
187 <213> ORGANISM: Homo sapiens
189 <400> SEQUENCE: 18
190 cctcccattt tgttctcgga agattaaatg ctacatgtgt aagtctgcct           50
193 <210> SEQ ID NO: 19
194 <211> LENGTH: 50
195 <212> TYPE: DNA
196 <213> ORGANISM: Homo sapiens
198 <400> SEQUENCE: 19
199 ccgtgcccgg aaacaggccg tggctagaga agagcgagat catctttacc           50
202 <210> SEQ ID NO: 20
203 <211> LENGTH: 50
204 <212> TYPE: DNA
205 <213> ORGANISM: Homo sapiens
207 <400> SEQUENCE: 20
208 ggtctaattt attcaaaggg ggcaagaagt agcagtgtct gtaaaagagc           50
211 <210> SEQ ID NO: 21
```

```
212 <211> LENGTH: 50
213 <212> TYPE: DNA
214 <213> ORGANISM: Homo sapiens
216 <400> SEQUENCE: 21
217 agatgggtga atcagttggg ttttgtaaat acttgtatgt ggggaagaca          50
220 <210> SEQ ID NO: 22
221 <211> LENGTH: 50
222 <212> TYPE: DNA
223 <213> ORGANISM: Homo sapiens
225 <400> SEQUENCE: 22
226 tctctagttg tcactttcct cttccacttt gataccattg ggtcattgaa          50
229 <210> SEQ ID NO: 23
230 <211> LENGTH: 50
231 <212> TYPE: DNA
232 <213> ORGANISM: Homo sapiens
234 <400> SEQUENCE: 23
235 tcaaaagaaa gccttctgga tgctgttaag atgtaccctt caggtgaacc          50
238 <210> SEQ ID NO: 24
239 <211> LENGTH: 50
240 <212> TYPE: DNA
241 <213> ORGANISM: Homo sapiens
243 <400> SEQUENCE: 24
244 ccccctttcc ttctaatttt tcagctcctt caatgcaaag tacatgtatt          50
247 <210> SEQ ID NO: 25
248 <211> LENGTH: 50
249 <212> TYPE: DNA
250 <213> ORGANISM: Homo sapiens
252 <400> SEQUENCE: 25
253 cctccaaccc cggaaacttc ctgtgcaacc cagactatca cctttgaaag          50
256 <210> SEQ ID NO: 26
257 <211> LENGTH: 50
258 <212> TYPE: DNA
259 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 26
262 ggaaggtagt cttcatttgc aatcaggaaa acgaacgtaa aggcacaggt          50
265 <210> SEQ ID NO: 27
266 <211> LENGTH: 50
267 <212> TYPE: DNA
268 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 27
271 acctgtgcct ttacgttcgt tttcctgatt gcaaatgaag actaccttcc          50
274 <210> SEQ ID NO: 28
275 <211> LENGTH: 50
276 <212> TYPE: DNA
277 <213> ORGANISM: Homo sapiens
279 <400> SEQUENCE: 28
280 tgttttcctc actacattgt acatgtggga attacagata aacggaagcc          50
283 <210> SEQ ID NO: 29
284 <211> LENGTH: 50
```

```
285 <212> TYPE: DNA
286 <213> ORGANISM: Homo sapiens
288 <400> SEQUENCE: 29
289 cagagcaaga ccctgaagac ccccaaccac ggcctaaaag cctctttgtg          50
292 <210> SEQ ID NO: 30
293 <211> LENGTH: 50
294 <212> TYPE: DNA
295 <213> ORGANISM: Homo sapiens
297 <400> SEQUENCE: 30
298 gcttcatatg tatggctgtt gctttgcttc atgtgtatgg ctatttgtat          50
301 <210> SEQ ID NO: 31
302 <211> LENGTH: 50
303 <212> TYPE: DNA
304 <213> ORGANISM: Homo sapiens
306 <400> SEQUENCE: 31
307 cagatgggtt cagcagtctg gtcagtgaga aagggccgag ggtagacagg          50
310 <210> SEQ ID NO: 32
311 <211> LENGTH: 50
312 <212> TYPE: DNA
313 <213> ORGANISM: Homo sapiens
315 <400> SEQUENCE: 32
316 tccagggcaa tcaatgttca cgcaacttga aattatatct gtggtcttca          50
319 <210> SEQ ID NO: 33
320 <211> LENGTH: 50
321 <212> TYPE: DNA
322 <213> ORGANISM: Homo sapiens
324 <400> SEQUENCE: 33
325 tcatcccgag aacattggct tccacatcac agtatctacc cttacatggt          50
328 <210> SEQ ID NO: 34
329 <211> LENGTH: 50
330 <212> TYPE: DNA
331 <213> ORGANISM: Homo sapiens
333 <400> SEQUENCE: 34
334 cgctctcgat attcctgtgc agaaacctgg accacgtcta caaccggctc          50
337 <210> SEQ ID NO: 35
338 <211> LENGTH: 50
339 <212> TYPE: DNA
340 <213> ORGANISM: Homo sapiens
342 <400> SEQUENCE: 35
343 cctgctcagc tctgcataag taattcaaga aatgggaggc ttcaccttaa          50
346 <210> SEQ ID NO: 36
347 <211> LENGTH: 50
348 <212> TYPE: DNA
349 <213> ORGANISM: Homo sapiens
351 <400> SEQUENCE: 36
352 ggaggaccca cactgctaca cttctgatcc cctttggttt tactacccaa          50
355 <210> SEQ ID NO: 37
356 <211> LENGTH: 50
357 <212> TYPE: DNA
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/19/2006
PATENT APPLICATION: US/10/006,290A   TIME: 11:48:47

Input Set : E:\2000100\SEQLIST506612000100.txt
Output Set: N:\CRF4\05192006\J006290A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8144; N Pos. 83,177
Seq#:8148; N Pos. 20,328,419
Seq#:8149; N Pos. 426,427
Seq#:8150; N Pos. 50
Seq#:8165; N Pos. 94
Seq#:8166; N Pos. 296
Seq#:8167; N Pos. 135,229
Seq#:8169; N Pos. 8,18,34,41
Seq#:8171; N Pos. 5
Seq#:8172; N Pos. 40,55,118
Seq#:8174; N Pos. 170
Seq#:8204; N Pos. 12,30,168
Seq#:8206; N Pos. 140
Seq#:8207; N Pos. 17,76
Seq#:8216; N Pos. 354
Seq#:8217; N Pos. 17,48
Seq#:8218; N Pos. 3,143,181,266,272,426
Seq#:8224; N Pos. 183,350,414
Seq#:8232; N Pos. 6,11,75,91,94,120,152,201
Seq#:8233; N Pos. 10,13,18,21,32,67,76,129,191
Seq#:8234; N Pos. 11,29,80
Seq#:8235; N Pos. 237
Seq#:8241; N Pos. 54
Seq#:8253; N Pos. 44
Seq#:8254; N Pos. 3
Seq#:8277; N Pos. 12
Seq#:8278; N Pos. 252
Seq#:8284; N Pos. 102,133
Seq#:8297; N Pos. 5
Seq#:8301; N Pos. 299
Seq#:8316; N Pos. 387
Seq#:8339; N Pos. 49
Seq#:8350; N Pos. 3
Seq#:8352; N Pos. 490,549,562
Seq#:8354; N Pos. 29,72,79,96,97
Seq#:8357; N Pos. 613,635
Seq#:8358; N Pos. 76
Seq#:8381; N Pos. 198
Seq#:8391; N Pos. 56,116
Seq#:8400; N Pos. 124
Seq#:8405; N Pos. 7,19,22,32,200
Seq#:8411; N Pos. 413
Seq#:8413; N Pos. 9
Seq#:8414; N Pos. 4

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/19/2006
PATENT APPLICATION: **US/10/006,290A**   TIME: 11:48:47

Input Set : **E:\2000100\SEQLIST506612000100.txt**
Output Set: **N:\CRF4\05192006\J006290A.raw**

```
Seq#:8429; N Pos. 162
Seq#:8439; N Pos. 27
Seq#:8440; N Pos. 9
Seq#:8443; N Pos. 266
Seq#:8447; N Pos. 151
Seq#:8449; N Pos. 503
Seq#:8450; N Pos. 168,180,280,291,417,602,606,619
```

VERIFICATION SUMMARY   DATE: 05/19/2006
PATENT APPLICATION: **US/10/006,290A**   TIME: 11:48:47

Input Set : **E:\2000100\SEQLIST506612000100.txt**
Output Set: **N:\CRF4\05192006\J006290A.raw**

```
L:73360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8144 after pos.:60
M:341 Repeated in SeqNo=8144
L:73436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8148 after pos.:0
M:341 Repeated in SeqNo=8148
L:73481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8149 after pos.:420
L:73498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8150 after pos.:0
L:73813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8165 after pos.:60
L:73850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8166 after pos.:240
L:73873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8167 after pos.:120
M:341 Repeated in SeqNo=8167
L:73911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8169 after pos.:0
L:73947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8171 after pos.:0
L:73970 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8172 after pos.:0
M:341 Repeated in SeqNo=8172
L:74030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8174 after pos.:120
L:74610 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8204 after pos.:0
M:341 Repeated in SeqNo=8204
L:74650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8206 after pos.:120
L:74669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8207 after pos.:0
M:341 Repeated in SeqNo=8207
L:74872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8216 after pos.:300
L:74895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8217 after pos.:0
L:74914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8218 after pos.:0
M:341 Repeated in SeqNo=8218
L:75034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8224 after pos.:180
M:341 Repeated in SeqNo=8224
L:75172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8232 after pos.:0
M:341 Repeated in SeqNo=8232
L:75193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8233 after pos.:0
M:341 Repeated in SeqNo=8233
L:75214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8234 after pos.:0
M:341 Repeated in SeqNo=8234
L:75243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8235 after pos.:180
L:75337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8241 after pos.:0
L:75553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8253 after pos.:0
L:75586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8254 after pos.:0
L:76023 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8277 after pos.:0
L:76050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8278 after pos.:240
L:76146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8284 after pos.:60
M:341 Repeated in SeqNo=8284
L:76371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8297 after pos.:0
L:76447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8301 after pos.:240
L:76802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8316 after pos.:360
L:77225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8339 after pos.:0
L:77414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8350 after pos.:0
L:77464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8352 after pos.:480
M:341 Repeated in SeqNo=8352
L:77520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8354 after pos.:0
```

VERIFICATION SUMMARY   DATE: 05/19/2006
PATENT APPLICATION: US/10/006,290A   TIME: 11:48:47

Input Set : **E:\2000100\SEQLIST506612000100.txt**
Output Set: **N:\CRF4\05192006\J006290A.raw**

M:341 Repeated in SeqNo=8354
L:77607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8357 after pos.:600